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## Central Valley Regional Water Quality Control Board

09 September 2019

Jon Bevan  
California Department of Transportation  
1604 South B Street  
Stockton, CA 95206

**CERTIFIED MAIL**  
**7017 2620 0001 1359 3117**

**REVISED NOTICE OF APPLICABILITY**

**GENERAL WASTE DISCHARGE REQUIREMENTS FOR  
SMALL DOMESTIC WASTEWATER TREATMENT SYSTEMS  
ORDER WQ 2014-0153-DWQ  
FOR  
CALIFORNIA DEPARTMENT OF TRANSPORTATION  
WESTLEY SAFETY ROADSIDE REST AREAS  
STANISLAUS COUNTY**

California Department of Transportation (Caltrans, hereafter "Discharger") submitted a Report of Waste Discharge (RWD) dated 11 January 2018 describing the Westley Safety Roadside Rest Area (SRRA) wastewater treatment plant (WWTP) in Stanislaus County. Additional information was submitted in November 2018, and February and May 2019. Based on the provided information, the wastewater treatment system and discharge are consistent with the requirements of the State Water Resources Control Board (State Water Board) *General Waste Discharge Requirements for Small Domestic Wastewater Treatment Systems*, Order WQ 2014-0153-DWQ (General Order). This Notice of Applicability (NOA) provides notice that the General Order is applicable to the site as described below. You are hereby assigned Order WQ 2014-0153-DWQ-R5304 for the discharge. A copy of the General Order is enclosed and is also available on the [State Water Board's 2014 Adopted Orders website](http://www.waterboards.ca.gov/board_decisions/adopted_orders/water_quality/2014/wqo2014_0153_dwq.pdf) ([http://www.waterboards.ca.gov/board\\_decisions/adopted\\_orders/water\\_quality/2014/wqo2014\\_0153\\_dwq.pdf](http://www.waterboards.ca.gov/board_decisions/adopted_orders/water_quality/2014/wqo2014_0153_dwq.pdf))

You should familiarize yourself with the entire General Order and its attachments, which describe mandatory discharge and monitoring requirements. The General Order contains operational and reporting requirements by wastewater system type. Sampling, monitoring, and reporting requirements applicable to your treatment and disposal methods must be completed in accordance with the appropriate treatment system sections of the General Order and the attached Monitoring and Reporting Program (MRP) 2014-0153-DWQ-R5304. The Discharger is responsible for all the applicable requirements that exist in the General Order and this NOA.

KARL E. LONGLEY ScD, P.E., CHAIR | PATRICK PULUPA, ESQ., EXECUTIVE OFFICER

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11020 Sun Center Drive #200, Rancho Cordova, CA 95670 | [www.waterboards.ca.gov/centralvalley](http://www.waterboards.ca.gov/centralvalley)

## **REGULATORY BACKGROUND**

The Discharger proposes a new WWTP to replace the existing septic system. The Westley SRRAs are currently not regulated by the Central Valley Regional Water Quality Control Board (Central Valley Water Board). The wastewater discharge at the site will be unregulated until the Central Valley Water approves the *Construction Completion Report* for the new WWTP system pursuant to Provision 5 of this NOA.

After the original NOA was issued on 09 July 2019, it was determined that the NOA did not clearly illustrate influent metering and effluent sampling locations. Therefore, this NOA has been revised to provide the detail on Attachment C.

## **EXISTING FACILITY AND DISCHARGE DESCRIPTION**

The Westley SRRRA WWTP is owned and operated by the Discharger and is located at Post Mile 27.0 along Interstate 5 in Stanislaus County as shown on Attachment A, which is attached hereto and is made part of this NOA by reference. The rest areas are located in an area without a regional wastewater collection system; therefore, wastewater is collected and treated on-site. The site plan is shown on Attachment B, which is attached hereto and is made part of this NOA by reference.

The Westley northbound (NB) and southbound (SB) SRRAs have provided public restrooms for the traveling public since 1967 without formal permitting of the waste discharge. Wastewater is generated from domestic use such as toilets and handwashing. The NB and SB SRRAs each have an existing onsite wastewater treatment system consisting of septic tanks and leach-field system. Total current septic tank capacity is 0.051 MG (million gallons). Several approximately six-foot deep observation wells used for visually checking if there is water present in the leach field are located in the northeast leach field.

## **FACILITY CHANGES**

The Discharger proposes to abandon the septic and leach-field systems to construct a pond system WWTP with on-site disposal located at NB SRRRA. The Discharger also proposes to construct a recreational vehicle (RV) disposal station at both the NB and SB SRRAs that will discharge into the proposed WWTP. RV waste has the potential to introduce additional compounds such as (but not limited to) formaldehyde, phenol, and zinc into the system. Gravity-fed lift stations equipped with chopper pumps will be located at both the NB and SB SRRAs.

Pond 1 and 2 will be facultative ponds lined with a high density 60-mil polyethylene (HDPE) or equivalently impermeable liner. Pond 1 will have aerators to promote oxygenation in the upper layer. Pond 2 is used for additional treatment as needed, and storm water will at times be discharged to Pond 2. Following treatment in Ponds 1 and 2, wastewater will gravity flow into Pond 3 for disposal via evaporation and percolation. Pond 3 is lined on the inner slopes only. Based on the RWD and supplemental data submitted by the Discharger, the proposed ponds will have the following estimated depth, surface area, and volume

(omitting volume due to freeboard depth), where depth is the maximum allowed liquid depth, and surface area is at maximum allowed capacity:

Pond Name	Depth (feet)	Surface Area (acres)	Volume (MG)
Pond 1	8	0.46	0.72
Pond 2	6	0.63	0.66
Pond 3	5	0.91	1.24

During abandonment of the current leach fields and construction of the new pond system, the existing observation wells and the drainage swale running north to the existing leach field will be removed.

Construction is expected to begin Winter 2020, contingent on equipment delivery. The Westley SRRAs NB and SB will be closed to the public when construction starts. Once the SRRAs are closed to the public, sanitation needs of the workers during construction will be addressed with the use of portable toilets.

#### **FUTURE: SUBSURFACE DRIP SYSTEM**

In a future project, the Discharger plans to install subsurface drip irrigation systems at the NB and SB SRRAs. Treated wastewater with the option to supplement water with storm water will feed this irrigation system. The subsurface drip system may require an amended NOA prior to its construction, pending input from the California Department of Drinking Water.

#### **GROUNDWATER**

Groundwater was not encountered in previous subsurface investigations conducted in 1981 by the Discharger where test borings were completed to a depth of 30 feet below grade surface (bgs). Additional cone penetrometer test borings to a depth of 15 to 20 feet bgs conducted in 2017 by the Discharger resulted in no finding of groundwater presence.

#### **SITE-SPECIFIC REQUIREMENTS AND EFFLUENT LIMITS**

The General Order contains prohibitions and specifications that apply to all wastewater treatment systems as well as those that only apply to specific treatment and/or disposal systems. The specific requirements and effluent limits for your treatment system are summarized below.

The wastewater treatment operator must be certified and familiar with the requirements contained in the General Order, this NOA, and the MRP.

#### **REQUIREMENTS BY WASTEWATER SYSTEM TYPE, SECTION B OF GENERAL ORDER**

##### **B.1 All Wastewater Systems**

This applies in its entirety to the Westley SSRA WWTP with the following site-specific requirements.

B.1.a Influent flow limits (Section B.1.a of General Order)

<b>Treatment Unit</b>	<b>Flow Limit (Monthly Average)</b>
Treatment Pond 1	12,500 gallons per day (gpd)

B.1.l Wastewater system setbacks (Section B.1.l of General Order, “Impoundment (undisinfected secondary recycled water)”), measured from the nearest high-water limit (bottom of freeboard).

<b>Equipment or Activity:</b>	<b>Wastewater Treatment and Disposal Pond</b>
<b>Domestic Well:</b>	150 ft.
<b>Flowing Stream:</b>	150 ft.
<b>Ephemeral Stream Drainage:</b>	150 ft.
<b>Property Line:</b>	50 ft.
<b>Lake or Reservoir:</b>	200 ft

B.2 – B.4 Not applicable

B.5 Pond Systems

The WWTP utilizes a pond system; therefore Section B.5 of General Order applies in its entirety.

B.6 - B.7 Not applicable

B.8 Sludge/Solids Disposal

The WWTP consists of lift stations and ponds that may accumulate sludge; therefore Section B.8 of General Order applies in its entirety.

**EFFLUENT LIMITATIONS, SECTION D OF GENERAL ORDER**

This section applies in its entirety to the Westley SRRA WWTP and shall include the following site-specific limitations.

The following limits apply to effluent from Pond 2.

*Treatment Pond 2 Effluent Limitations*

<b>Constituent</b>	<b>Limit</b>
BOD (5-day biochemical oxygen demand)	90 mg/L

*Effluent Limit Rationale*

The pond treatment system is subject to technology performance effluent limits for biochemical oxygen demand (BOD) as specified in the General Order. The BOD effluent limit is based on data reported in the RWD.

Staff evaluated the need for a total nitrogen effluent limit using the method contained in the General Order and determined that a nitrogen effluent limit is not required because the monthly average flow will be less than 20,000 gpd and treatment Ponds 1 and 2 will be lined.

## **TECHNICAL REPORT PREPARATION REQUIREMENTS, SECTION E.1 OF GENERAL ORDER**

### Provisions

The following technical reports shall be submitted as described below:

1. By **October 1, 2019** the Discharger shall submit a *Spill Prevention and Emergency Response Plan (Response Plan)* consistent with the requirements of General Order Provision E.1.a.
2. By **October 1, 2019** the Discharger shall submit a *Sampling and Analysis Plan* consistent with the requirements of General Order Provision E.1.b.
3. **At least 90 days** prior to any removal, drying, treatment, or disposal of sludge for pond maintenance, the Discharger shall submit a *Sludge Management Plan* consistent with the requirements of General Order Provision E.1.c.
4. **Prior to any discharge and within 60 days** of the completion of construction the Discharger shall submit a *Pond Liner Construction Quality Assurance Workplan and Pond Liner Construction Quality Assurance Report*.
5. **Prior to any discharge and within 60 days** of the completion of construction, the Discharger shall submit a *WWTP Construction Completion Report* for Central Valley Water Board approval prior to commencing discharge.

### **MONITORING AND REPORTING PROGRAM**

The Discharger shall comply with MRP 2014-0153-DWQ-R5304, which is attached hereto and made part of this NOA by reference.

### **ENFORCEMENT**

Please review this NOA carefully to ensure that it completely and accurately reflects the discharge. Discharge of wastes other than those described in this NOA is prohibited. Prior to allowing changes to the wastewater strength or generation rate, or to the method of waste disposal, you must contact the Central Valley Water Board to determine if submittal of an RWD is required.

California Department of Transportation will generate the waste subject to the terms and conditions of WQ 2014-0153-DWQ-R5304 and will maintain exclusive control over the discharge. As such, California Department of Transportation is primarily responsible for compliance with this NOA, MRP, and General Order, with all attachments. Failure to comply with the requirements in the General Order or this NOA could result in an enforcement action as authorized by provisions of the California Water Code.

### **ANNUAL FEES**

The annual fee is based on the discharge's threat to water quality and complexity rating of 3-C, currently \$2,286. The fee is due and payable on an annual basis until coverage under the General Order is formally rescinded. Please note that the annual fees are reviewed each year and may change. Written notice must be provided from the Discharger if and

when the wastewater discharge ceases, so that we can terminate coverage under the General Order and cancel future invoices.

## **DOCUMENT SUBMITTAL**

All monitoring reports and other correspondence should be converted to searchable Portable Document Format (PDF) and submitted electronically. Documents that are less than 50 MB should be emailed to: [centralvalleysacramento@waterboards.ca.gov](mailto:centralvalleysacramento@waterboards.ca.gov).

To ensure that your submittal is routed to the appropriate staff person, the following information should be included in the body of the email or any documentation submitted to the mailing address for this office:

Facility Name: Westley Safety Roadside Rest Areas, Stanislaus County  
Program: Non-15 Compliance  
Order: 2014-0153-DWQ-R5304  
CIWQS Place ID: 820261

Documents that are 50 MB or larger should be copied to a CD, DVD, or flash drive and mailed to:

Central Valley Regional Water Quality Control Board  
ECM Mailroom  
11020 Sun Center Drive, Suite 200  
Rancho Cordova, CA 95670

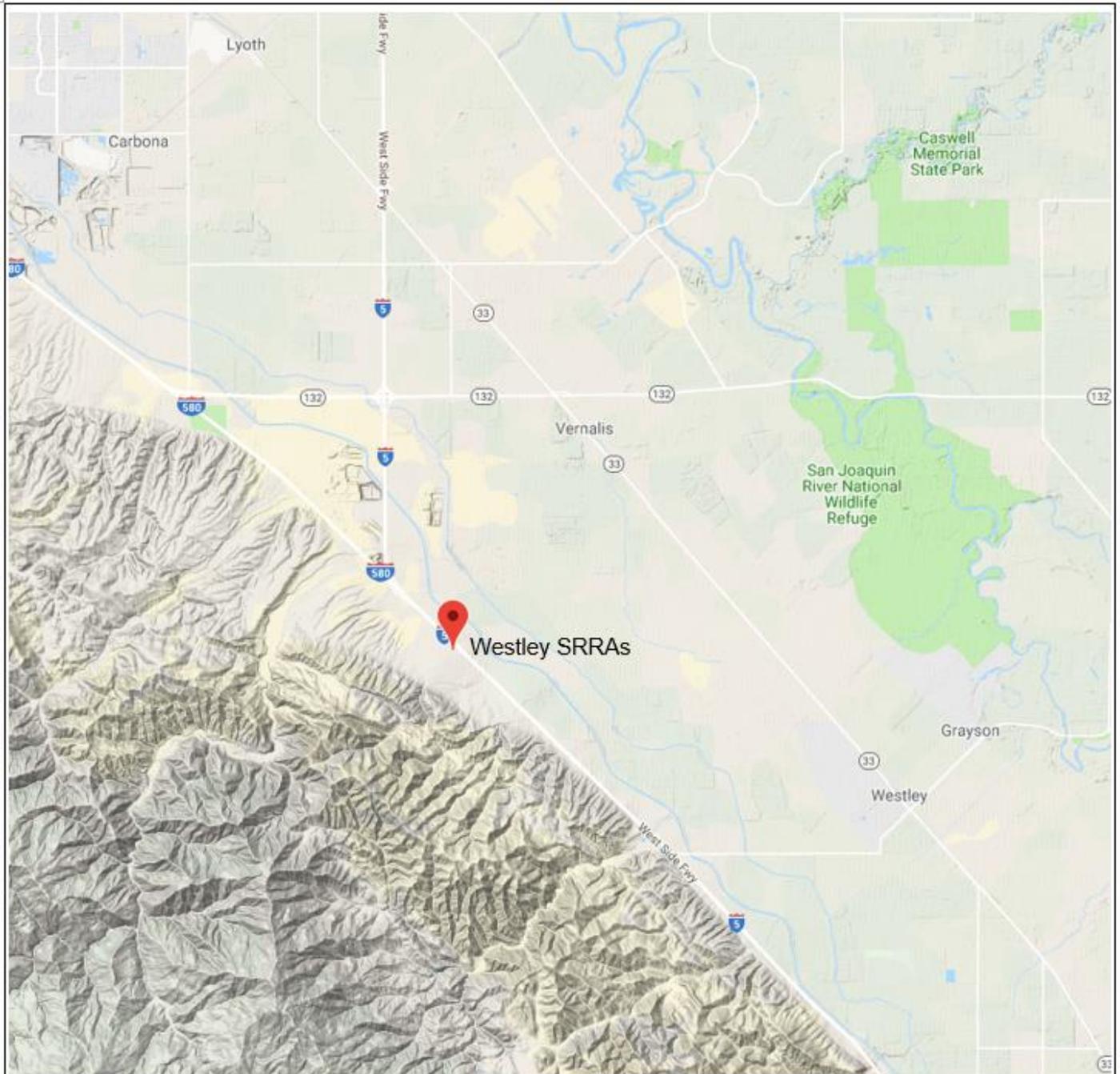
Now that the Notice of Applicability has been issued, the Board's Compliance and Enforcement section will take over management of your case. Guy Childs is your new point of contact for any questions about compliance with the General Order. If you find it necessary to make a change to your permitted operations, Guy will direct you to the appropriate Permitting staff. You may contact Guy at (916) 464-4648 or at [guy.childs@waterboards.ca.gov](mailto:guy.childs@waterboards.ca.gov).

*Original signed by Robert Busby for*

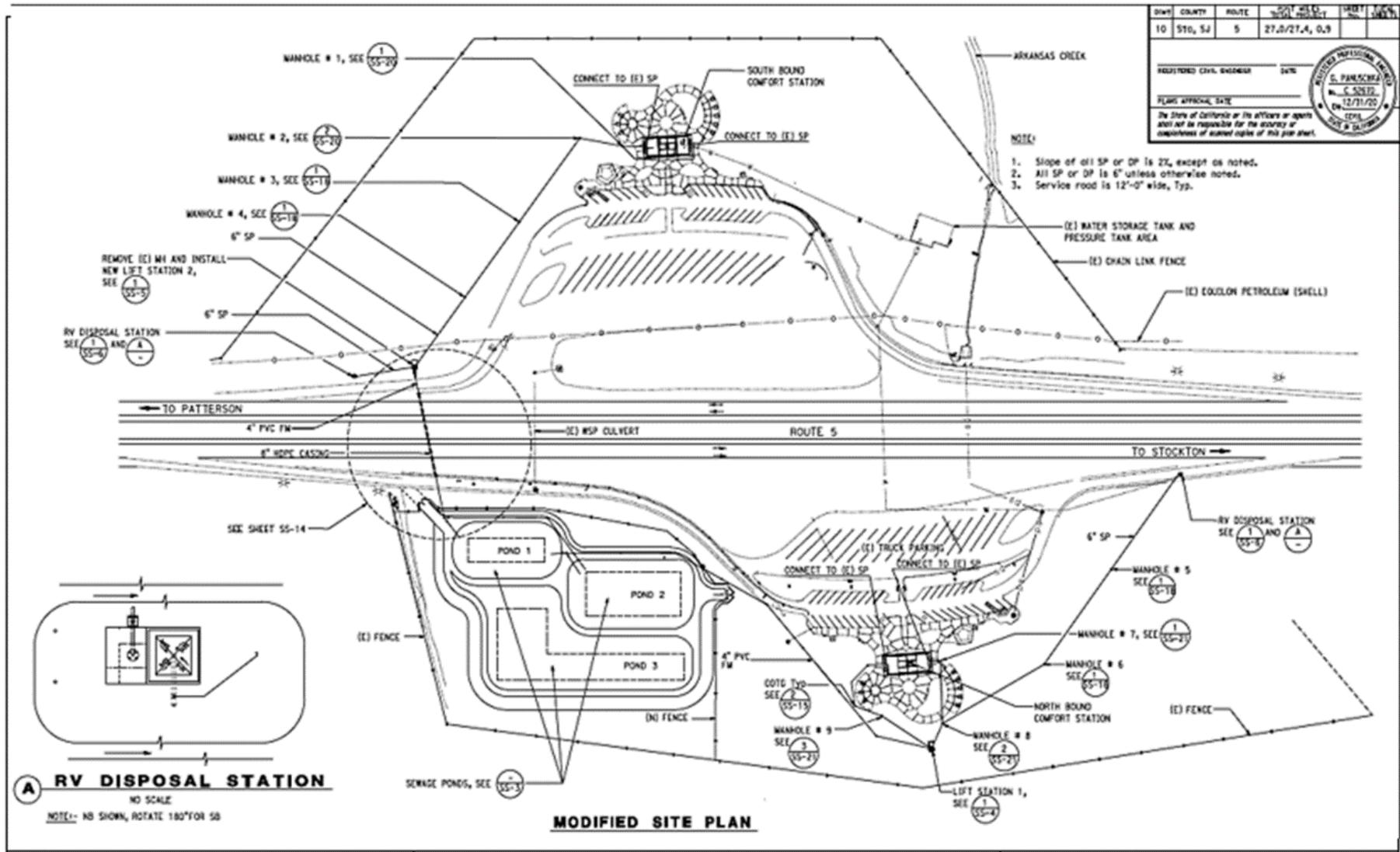
PATRICK PULUPA  
Executive Officer

enc: Water Quality Order WQ 2014-0153-DWQ  
Monitoring and Reporting Program 2014-0153-DWQ-R5304  
Attachment A, Site Location Map  
Attachment B, Site Plan  
Attachment C, Wastewater Treatment System Schematic

cc w/out enc: Timothy O'Brien, State Water Resources Control Board, Sacramento  
Stanislaus County Environmental Resources Department, Modesto  
Gerhard Panuschka, Caltrans, Sacramento  
Guy Childs, CVWQCB, Rancho Cordova



<p><b>Source:</b> GeoTracker base map</p>	<p><b>SITE LOCATION MAP</b> CA DEPARTMENT OF TRANSPORTATION WESTLEY SRRA STANISLAUS COUNTY</p>	 <p>approximate scale: 1 inch = 2.5 miles</p>
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DIST	COUNTY	ROUTE	POST MILE	SHEET NO.	TOTAL SHEETS
10	STO, SJ	5	27.0/27.4, 0.9		
REGISTERED CIVIL ENGINEER DATE					
PLANS APPROVAL DATE					
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of scaled copies of this plan sheet.					



- NOTE:
1. Slope of all SP or DP is 2%, except as noted.
  2. All SP or DP is 6' unless otherwise noted.
  3. Service road is 12'-0" wide, Typ.

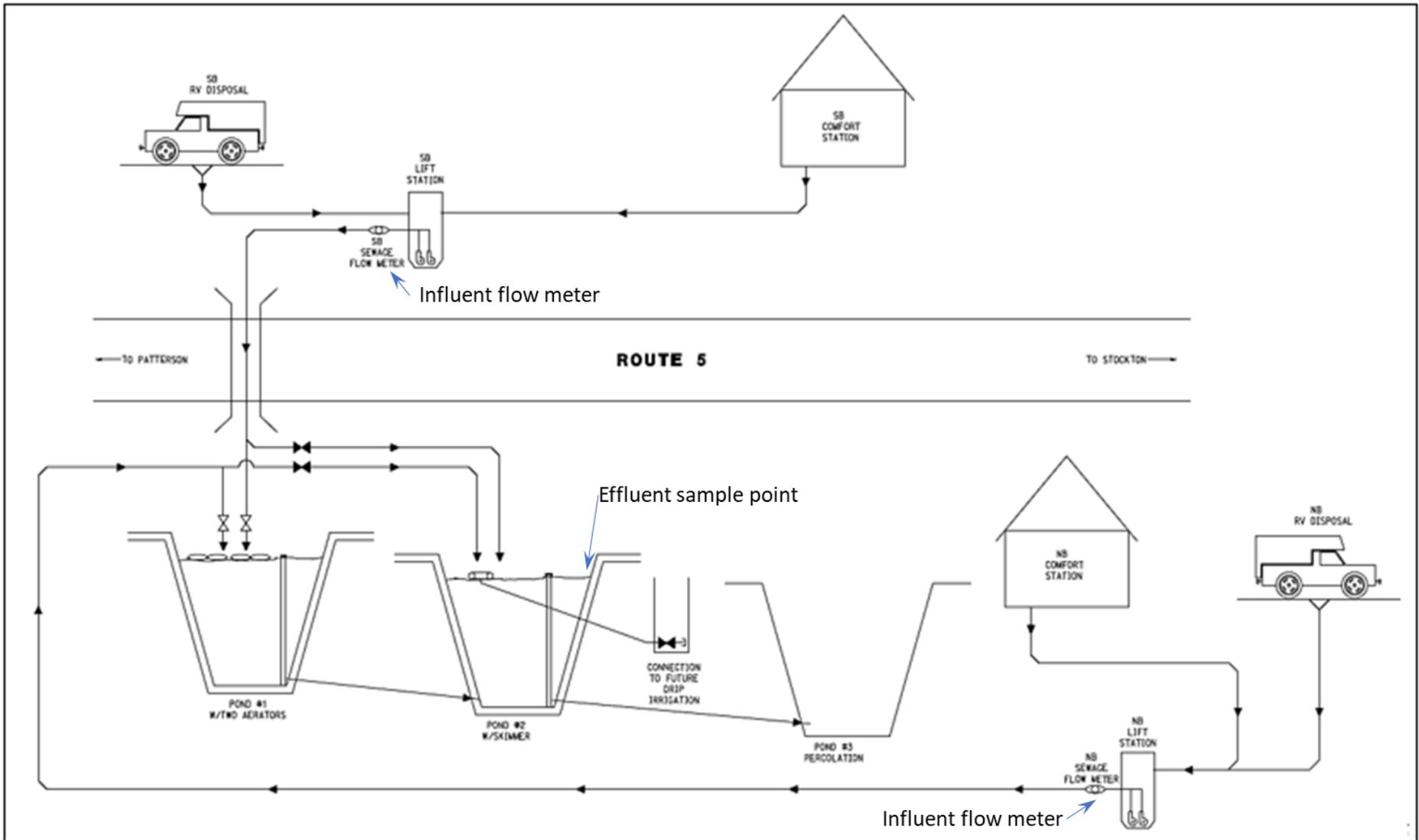


Source:  
CA DEPT OF TRANSPORTATION

**SITE PLAN**  
CALIFORNIA DEPARTMENT OF TRANSPORTATION  
WESTLEY SRRA  
STANISLAUS COUNTY



scale not preserved



<p><b>Source:</b> CA DEPT OF TRANSPORTATION</p>	<p><b>WASTEWATER TREATMENT SYSTEM SCHEMATIC</b> CALIFORNIA DEPARTMENT OF TRANSPORTATION WESTLEY SRRA STANISLAUS COUNTY</p>	<p>Not to scale</p>
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